

ADVANCED PROCESS HAZOP TRAINING

“Master advanced HAZOP techniques to identify, assess, and control complex process safety risks.”

Schedule

Venue (InHouse)	Fees
At Your Organization Premises	Ask For The Quotation

► **Available delivery methods:** In-House Training

Introduction

Advanced Process HAZOP Training is designed for professionals involved in process safety, risk management, and plant operations. The course provides a deep understanding of Hazard and Operability (HAZOP) study methodologies, focusing on advanced applications, leadership techniques, and integration with other risk assessment tools. Participants will gain the expertise needed to conduct, lead, and review HAZOP studies effectively, ensuring safer and more reliable industrial operations.

Objectives

- Understand advanced principles and methodologies of HAZOP studies.
- Learn to identify and evaluate process hazards systematically.
- Develop the skills to lead and facilitate HAZOP sessions efficiently.
- Integrate HAZOP with other safety and risk management tools.
- Enhance documentation, communication, and follow-up processes for HAZOP actions.

Why Attend

This course enables participants to go beyond the basics of HAZOP by mastering facilitation skills and learning advanced analysis techniques. It equips engineers and safety professionals with practical tools to manage process risks proactively, prevent incidents, and ensure compliance with international safety standards.

Target Audience

- Process Safety Engineers and Managers
- HAZOP Team Leaders and Facilitators
- Chemical, Mechanical, and Production Engineers
- Risk and Safety Management Professionals
- Operations and Maintenance Supervisors

Individual Benefits

- Gain advanced knowledge in conducting and managing HAZOP studies.
- Improve analytical and leadership skills for team facilitation.
- Strengthen ability to identify potential process hazards and operability issues.
- Enhance career development in process safety and risk management.

Organizational Benefits

- Strengthened process safety culture and risk awareness.
- Improved compliance with international safety and regulatory standards.
- Reduced likelihood of process incidents and operational disruptions.
- Enhanced decision-making through structured hazard analysis and risk assessment.

Instructional Methodology

The course combines interactive lectures, real-world case studies, group workshops, and practical HAZOP simulations. Participants will take part in guided exercises to practice facilitation, risk identification, and scenario analysis in realistic industrial contexts.

Course Outline

Module 1: Introduction to Advanced Process Safety and HAZOP Principles

Module 2: HAZOP Methodology and Guideword Application

Module 3: Preparing for and Leading HAZOP Studies

Module 4: Identifying Hazards, Causes, Consequences, and Safeguards

Module 5: Integrating HAZOP with Risk Assessment and SIL Analysis

Module 6: Documentation, Reporting, and Action Tracking

Module 7: Case Studies and Best Practices in Advanced HAZOP Facilitation

Certification

Participants who successfully complete the course will receive a Certificate of Achievement in Advanced Process HAZOP Training.

Why Choose MAWA Events

- **Global Expertise:** More than 17 years of experience in professional training and consulting.
- **Industry-Leading Faculty:** Courses delivered by seasoned professionals with hands-on experience.
- **Practical Insights:** Learn to turn theory into actionable strategies for real-world business impact.
- **Client-Focused Solutions:** Customized programs designed to achieve your organisation's unique goals.

In-House / Customized Training

Interested in running this course for your team?

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